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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Thu Sep 7 15:54:22 2000; MasPar time 5.66 Seconds 430.455 Million cell updates/sec

Tabular output not generated.

>US-09-270-910-37 (1-159) from US09270910.pep

Description: Perfect Score: 1087 1 GVFNYETETTSVIPAARLFK.....GETLLRAVESYLLAHSDAYN 159

Sequence:

Scoring table: PAM 150 Gap 11

Searched: 152433 seqs, 15329240 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database: a-issued 1:5A_COMB 2:5B_COMB 3:6_COMB 4:PCT_COMB 5:backfiles1

Statistics: Mean 28.319; Variance 127.595; scale 0.222

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

2222		2 2 3 3 3 4 4 4 5 5 5 5 7 7 7 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Result No.
		1080 2 939 3 884 8 883 8 867 5 867 7 506 8 397 102 102 101	. Score
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80- 80-	US-08-788- US-08-586- US-09-082- US-08-685- US-08-409- US-09-111-		ID
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Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
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5.96e+01	5.96e+01	5.96e+01				7.01e+01	4.31e+01	4.31e+01	4.31e+01	3.66e+01		3.66e+01	٠	3.66e+01				3.11e+01	2.64e+01	2.64e+01	2.64e+01

ALIGNMENTS

888888888	388888888	**	RESULT ID U XX AC x XX
APPLICATION NUMBER: US/07/847,010 FILING DATE: 01-UN-1992 CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Jones III, Harry C REGISTRATION NUMBER: 20,280 REFERENCE/DOCKET NUMBER: 6530-010 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 790-9090	STATE: New York STATE: New York COUNTRY: U.S.A. ZIP: 10036-2711 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:	H S O O T T N N N N N N N N N N N N N N N N	US-07-847-010-23 STANDARD; PRT; 160 AA. xxxxxx

TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:

TOPOLOGY:

linear

peptide

amino acid

LENGTH:

160 amino acids

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                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                             APPLICANT: Ferreira, Fatima
TITLE OF INVENTION: Allergens of Alder Pollen
TITLE OF INVENTION: Applications Thereof
NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
HYPOTHETICAL: N
ORIGINAL SOURCE:
                                                                                                                                                                                                                         APPLICANT:
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IMMEDIATE SOURCE:
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                                                                                                  STATE: N
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       APPLICATION NUMBER: US/07/847,010 FILING DATE: 01-JUN-1992
CLASSIFICATION:
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158; Conser
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                                                                                          10036-2711
                                                                                                                       New York
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                                                                                                            New York
                                                                                                                               1155 Avenue of the Americas
                                                                                                   U.S.A.
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Rumpold, Helmut
Scheiner, Otto
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Hoffmann - Sommergruber,
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Pred. No. 2.33e-89;
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                                       Version
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Best Local
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TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
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MOLECULE TYPE: pep
MOLECULE TYPE: NO
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                                                                                                                                         APPLICANT: Ferreira, Fatima TITLE OF INVENTION: Allerger TITLE OF INVENTION: Applicat
                                                                                                                                                                                                APPLICANT:
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REGISTRATION NUMBER: 20,280
REFERENCE/DOCKET NUMBER: 65
TELECOMMUNICATION INFORMATION:
TELECHONE: (212) 790-9090
                                             COMPUTER READABLE FORM:
                                                                                                                       NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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APPLICANT:
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LENGTH: 160 amino acid
                                                                                                                                                                                       APPLICANT:
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                                                        CITY: New York STATE: New York COUNTRY: U.S.A. ZIP: 10036-2711
                                                                                       STREET:
CITY: N
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM:
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                                                                                                                                                                                                                                                                                                                    17, Application US/07847010
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(212) 869-9741/8864
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81.1%;
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                                                                                                                                  Allergens of Alder Pollen Applications Thereof 23
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                                                                                                                                                                                                                                 Sommergruber,
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Pred. No. 4.36e-76;
22; Mismatches 8
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129339 CN;
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                              Patent No.
                                                                                                                                                    Sequence 14,
                                                                                                                                                                                                                                          121
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                                                                                                                                        GENERAL
                                                                                                                                                                                                                                                                     61 GLPFKYVKDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKY 120
                                                                                                                                                                                                                                                                                                                                    Match 81.3%;
Local Similarity 73.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 66141 PENNIE INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                 2 GVFNYEAETTSVIPAARLEKSYVLDGDKLIPKVAPQAITSVENVEGNGGPGTIKNITFGE
                                                                             APPLICANT:
                                   CORRESPONDENCE ADDRESS:
                                                 TITLE OF INVENTION:
                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                    IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                       ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 65
TELECOMMUNICATION INFORMATION:
                                                               APPLICANT:
                                                                      APPLICANT:
                                                                                             APPLICANT:
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                                                                                                                 APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Jones III, Harry C
REGISTRATION NUMBER: 20,;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                        GSRYKYVKERVDEVDNTNFTYSYTVIEGDVLGDKLEKVCHELKIVAAPGGGSILKISSKF 121
CITY: NE
STATE: N
COUNTRY:
                     STREET:
                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                 LIBRARY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                               116;
                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                       INFORMATION:
                                                                                                                                                                                                                                                                                                                                                          160 AA; 17488 MW; 129188 CN;
               New York
                                                                                                                                              5693495
                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
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       New York
                    1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                           160 amino acids
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                                                              Ebner, Christof
Ferreira, Fatima
                                                                                                                                                                                                                                                                                                                                                                 POLLEN FROM ALLERGON AB, ENGELHOLM, SWEDEN
                                                                                                         Valenta, Rudolf
Hoffmann - Sommergruber, Karin
                                                                                    Rumpold, Helmut
                                                                                             Kraft,
                                                                                                  Breitenbach, Michael
                                                                             Scheiner, Otto
                                                                                                                        Reikerstorfer, Arnold
                                                                                                                               Breiteneder, Heimo
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                            Pennie & Edmonds
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                                           Allergens of Alder P
Applications Thereof
: 23
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Pred. No. 6.35e-71;
31; Mismatches 12;
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                                                        Alder Pollen
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Sequence 11, Application US/07847010
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                                                                                                                                                                                                                                         Sequence 11, Application US/07847010 Patent No. 5693495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              122'HAKGDHEINAEEMKGAKEMAEKLLRAVETYLLAHSAEYN 160
                                                                                                                                                                                                     GENERAL INFORMATION: APPLICANT: Breite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 GSRYKYYKERVDEVDNTNFKYSYTVIEGDVLGDKLEKVCSELKIVAAPGGGSILKISSKF 121
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Local Similarity 73.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 GLPFKYVKDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKY 120
               TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HYPOTHETICAL: N
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 790-9090
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                   APPLICANT:
                                                                   APPLICANT:
                                                                                   APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GVFNYEVETPSVIPAARLFKSYVLDGDKLIPKVAPQAITSVENVEGNGGPGTIKNITFGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                               HTKGDHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GVFNYETETTSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKISFPE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Jones III, Harry C
REGISTRATION NUMBER: 20,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 01 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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 OF SEQUENCES:
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Rumpold, Helmut
Scheiner, Otto
Ebner, Christof
Ferreira, Fatima
NVENTION: Allergens of A
NVENTION: Applications T
SEQUENCES: 23
                                                                                                                                Hoffmann - Sommergruber, Karin
Breitenbach, Michael
                                                                                                                    Kraft, Dietrich
                                                                                                                                                                      Valenta, Rudoli
                                                                                                                                                                                    Reikerstorfer,
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Pred. No. 7.89e-71;
30; Mismatches 13
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               Alder Pollen
Thereof
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Best Local S
Matches 11
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                                                                                   Patent No.
                                                                                            Sequence
                                                                                                                                                                                                                          121
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                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                  61
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TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 11:
                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
                              APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
COFFMANCE: Datasts DC-DOS/MS-DOS
                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS LENGTH: 160 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 65
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: JONES III, Harry C
REGISTRATION NUMBER: 20,280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
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ADDRESSEE: Pennie &
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l Similarity 72.3%;
ll5; Conservative
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                                                                                                                 20, Application US/07847010
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10036-2711
                                                                                   ), Application US/07847010 5693495
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(212) 869-9741/8864
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         Valenta, Rudolf
Hoffmann - Sommergruber,
Breitenbach, Michael
Kraft, Dietrich
                                                   Reikerstorfer,
                                                              Breiteneder, Heimo
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Pred. No. 2.88e-70;
30; Mismatches 14;
                                                   Arnold
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Best Local Similarity 71.1%;
Matches 113; Conservation
                                                         Patent No.
DANIEL A.
TITLE OF INVENTION: PROCEDURES
                      Patent No. 5312912
APPLICANT: HADWIGER,
                                                                                                      XXXXXX
                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                                                                                                                     122 HAKGDHEINAEEMKGAKEMAEKLLRAVETYLLAHSAEYN 160
                                                                                                                                                                          121 HTKGDHEVKAEQVKASKEMGETLLRAVESYLLAHSDAYN
                                                                                                                                                                                                                     61 GLPFKYVKDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKY 120
                                                                                                                                                                                                                                  TELEX: 66141 PENNIE INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                   1 GVFNYETETTSVIPAARLFKAFILDGDNLFPKVAPQAISSVENIEGNGGPGTIKKISFPE
                                                                                                                                                                                                                                                                               2 GVFNYEVETPSVISAARLFKSYVLDGDKLIPKVAPQAITSVENVGGNGGPGTIKNITFGE 61
                                                                                                                                                                                                                                                                                                                                                      IMMEDIATE SOURCE:
LIBRARY: POLLEN FROM ALLERGON AB, ENGELHOLM, SWEDEN
JENCE 160 AA; 17395 MW; 130479 CN;
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APPLICANT:
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NAME: JONES III, HAITY C
REGISTRATION NUMBER: 20,280
REFERENCE/DOCKET NUMBER: 65:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 01-JUN-19-
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGIE TYPE: pe
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Allergens of Alder Pollen and TITLE OF INVENTION: Applications Thereof NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                          ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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(212) 869-9741/8864
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Ferreira, Fatima
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                      LEE A.; CHIANG, CHIN C.; HOROVITZ,
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Pred. No. 7.35e-69;
31; Mismatches 15;
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 AND
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 REGULATORY DNA SEQUENCES
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FOR GENETICALLY ENGINEERING DISEASE RESISTANCE AND OTHER INDUCIBLE TRAITS IN PLANTS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/08363010
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08363010 Patent No. 5512484
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Local Similarity 50.3%;
nes 80; Conservation
                                            TELEFAX: (703) 205-8050
TELEX: 248345
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
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                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                    SEQUENCE CHARACTERISTICS:
LENGTH: 154 amino acid
                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS: ADDRESSEE: Birch, St
                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: CARROT 16 KD TITLE OF INVENTION: SAID PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YTKGDAIPSEEEIKNGKAKGEGIFKALEGYCVANPD-YN 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GLPFKYVKDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKY 120
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                                                                                                                                                      APPLICATION NUMBER: US/08/363,010 FILING DATE: 23-DEC-1994 CLASSIFICATION: 435
                                                                  TELEPHONE: (703) 205-800
TELEFAX: (703) 205-8050
                                                                                                                  NAME: Svensson, Leonard R. REGISTRATION NUMBER: 30,330
                                                                                                                                                                                                                                           MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 13-JUN-1989
STRANDEDNESS:
           TYPE:
                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/07/393,301
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                                                                                                                                                                                                                                                                                                        Falls Church
                                                                                                                                                                                                                                                                     22042
        amino acid
                                                                                                                                                                                                                                                                                           Virginia
                                                                                                                                                                                                                                                                                                                  8110 Gatehouse Road,
                   154 amino acids
                                                                                                                                                                                                                                                                                                                                                                                            Oheda, Kenj
                                                                                                                                                                                                                                                                                U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                        Yamamoto, Mika
                                                                                                                                                                                                                                            Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                 205-8000
                                                                                                                                                                                                                                                                                                                   Stewart, Kolasch & Birch, LLP house Road, Suite 500 East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 506; DB 5; Le
Pred. No. 9.26e-36;
36; Mismatches 41;
                                                                                                          20-3628P
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                                                                                                                                                                                                                                                                                                                                                                    PROTEIN, GENE CODING FOR AND PLASMID CONTAINING SAID GENE
                                                                                                                                                                                                         Version #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             154 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-911-434A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/08911434A
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                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/08911434A Patent No. 5959176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         128 VPEENIKFADAQNTALFKAIEAYLIAN 154
                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: TORIKA
APPLICANT: OEDA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      83
                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                68 KDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKYHTKGDHE 127
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TOPOLOGY: linear
MOLECULE TYPE: protein
UENCE 154 AA; 16035 MW; 122959 CN;
                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
                                               SEQUENCE CHARACTERISTICS:
LENGTH: 154 amino acids
                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)205-8000
                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EITSSVSAEKIFSGIVLDVDTVIPKAAPGAYKSVD-VKGDGGAGTVRIITLPEGSPITSM 67
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                                      TYPE:
                                                                                 TELEFAX:
                                                                                                                  REFERENCE/DOCKET NUMBER:
                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                        APPLICATION NUMBER: US/08/911,434A FILING DATE: 12-AUG-1997
                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                        STATE:
                                                                                                                                                                                                                                                                                                 STREET: P.O. BOX 7:
CITY: FALLS CHURCH
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                                                                                                                            REGISTRATION NUMBER:
                                                                                                                                        NAME:
                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                           COUNTRY: UNITED STATES OF AMERICA
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154 AA; 16125 MW; 123070 CN;
                                                                                                                                                                                                                                                                   22040
                                   amino acid
                                                                                                                                       Stewart, Raymond
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                                                                                 (703)205-8050
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O. BOX 747
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N: PLANT PROMOTER AND UTILIZATION THEREOF
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                                                                                                                          21,066
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Pred. No. 8.36e-26;
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MOLECULE TYPE: SEQUENCE 836 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      XXXXXX
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Local Similarity 38.1%;
nes 56; Conservative
                                                                   INFORMATION FOR SEQ ID NO:
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                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 08/
FILING DATE: 25-MAR-1993
APPLICATION NUMBER: JP 4-7
FILING DATE: 27-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68 KDRVDEVDHTNFKYNYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKYHTKGDHE 127
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                                         SEQUENCE CHARACTERISTICS:
LENGTH: 836 amino acids
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Takeshita, Sun
APPLICANT: Tezuka, Kenich
TITLE OF INVENTION: No. 5
TITLE OF INVENTION: Abili
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10
                                                                                    TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Kikuno, Reiko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Otawara-Hamamoto,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                       TOPOLOGY: linear
                                 TYPE:
                                                                                                                        NAME: Hammond, Alan W REGISTRATION NUMBER: :
                                                                             TELEFAX:
                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                       APPLICATION NUMBER:
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                               amino acid
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1300 I Street,
                                                                             202-408-4400
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protein
93331 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                       No. 5756664el Protein with Bone Formation Ability and Process for Its Production. 24
                                                                                                                                                                                           US 08/036,841
                                                                                                                                                                    JP 4-71501
                                                                                                                                                                                                                                     US/08/426,627
                                                                                                                       35,178
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Pred. No. 2.37e-25;
 3676300 CN;
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                                                                                                                                                                                                                                                          Version
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Matches
Query Match
Best Local Similarity
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                               SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  744 ITEKETREERIITGPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39
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                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
                                                                                                                                                                   APPLICATION NUMBER: US 01
FILING DATE: 25-MAR-1993
APPLICATION NUMBER: JP 4
FILING DATE: 27-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                           CURRENT APPLICATION DATA
APPLICATION NUMBER: U:
FILING DATE:
                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Tezuka, Kenichi
TITLE OF INVENTION: No. 57
TITLE OF INVENTION: Abilit
                                                                                                                            TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GSLQPIIKTEGP-TLTKVKI-EGEPEFRLIKEGETITEVIHGEPIIKKYTKIIDGVPV-E 743
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                                                     TOPOLOGY:
                                                                                                                                                 NAME: Hammond, Alan W. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                        STREET: 1300 1 STREET: Washington
                                                                                                                TELEPHONE:
                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                                                       LENGTH:
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ilarity 30.3%;
Conservative
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                               ΑA,
                                                                     837 amino acids
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                                                                                                       202-408-4400
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Takeshita, Sunao
                                                    linear
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                                                                                                                  202-408-4000
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9.48;
                              peptide
93487 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US/08426627
Score 102; DB 1;
Pred. No. 2.09e+00;
                                                                                                                                                                                                                                                       US/08/426,627
                                                                                                                                                 35,178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 102; DB 1; Le Pred. No. 2.09e+00; 23; Mismatches 22;
                               3679436 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                  5756664el Protein with Bone Formation
                                                                                                                                                                                                                                                                                                                                                                      Z
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                                                                                                                                                                                                              08/036,841
                                                                                                                                                                                           4-71501
                                                                                                                                       02481-1285-00000
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          Length 837;
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                                            Local Similarity
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8 EADIEISAPADKFYNLFKSEAHHV-PKTSQTGTITGVAVHEGDWETDGSIKIWNYAIEGE 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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                                                                         ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: predicted amino acid coding sequence
INDIVIDUAL ISOLATE: of drul
IENCE 152 AA; 17092 MW; 123332 CN;
                                                                                                                             MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acid
                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
                                                                                                                    ANTI-SENSE:
                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US/08/592,936
                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SVENIEGNGGPGTIKKISFPEGLP-FKYVKD--RVDEVDHTN-FKYNYS-VIEGGPIGD 93
                                                                                                                                                                                                                                                  NAME: Evans, Susan T. REGISTRATION NUMBER:
                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                  TELEPHONE:
                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/0 FILING DATE: 29-JAN-1996
                                                                                                                                                                                                        TELEFAX:
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                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                    us/09/111,573
                                                                                                                                                                                                                                               38,443
                                Pred. No. 2.48e
44; Mismatches
                                           Score 101; DB 2;
Pred. No. 2.48e+00;
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                                Indels 10;
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67 VGTF-KEKV-ELDDVNKAIILNGLEGD-VFQYYKSFKPVYQFTQKNDGSSIAKVSIEYEK 123
                                                                      y Match 9.3%;
Local Similarity 22.7%;
nes 34; Conservative
                                                                                                                                                                                                                                                    TELEFAX: (650) 324-0960 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 13, Application US/08592936B Patent No. 5783393
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NAME: Evans, Susan T.
REGISTRATION UNBER: 38,443
                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                         ORIGINAL SOURCE:
                                                                                                                                                                 MOLECULE NO
                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 42
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kellogg, CAPPLICANT: Bestwick, TITLE OF INVENTION: I
                       ETETTSVIPAARLFKAFILDGDNLFPKVAPQ-AISSVENIEGN-GGPGTIKKISFP-EGL
                                       EADIEISAPADKFYNLFKSEAHHV-PKTSQTGTITGVAVHEGDWETDGSIKIWNYAIEGE 66
                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
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ADDRESSEE: Dehlinger & Associates
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VGTF-KEKV-ELDDVNKAIILNGLEGD-VFQYYKSFKPVYQFTQKNDGSSIAKVSIEYEK 123
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                                                                                                                 INDIVIDUAL ISOLATE: predicted am INDIVIDUAL ISOLATE: of drul (CE 152 AA; 17092 MW; 123332 CN;
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OPERATING SYSTEM:
                                                                                                                                                                                                      TOPOLOGY:
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CLASSIFICATION:
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PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR REGULATED EXPRESSION OF TRANSGENES IN PLANTS
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                                                                                                                               predicted amino acid of drul
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                                                                      Score 101; DB 1;
Pred. No. 2.48e+00;
44; Mismatches 62
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US-08-788-928A-20
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         67
                                                                      Local Similarity nes 34; Conser
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REGISTRATION NUMBER: 38,443
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                                          8 EADIEISAPADKFYNLFKSEAHHV-PKTSQTGTITGVAVHEGDWETDGSIKIWNYAIEGE 66
                                                                                                                                                                                                                                   TELEFAX: (650) 324-0960 INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63
                                                                                                                           ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/788,928A
FILING DATE: 24-JAN-1997
FILING DATE: 24-JAN-1997
VGTF-KEKV-ELDDVNKAIILNGLEGD-VFQYYKSFKPVYQFTQKNDGSSIAKVSIEYEK 123
                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                      ETETTSVIPAARLFKAFILDGDNLFPKVAPQ-AISSVENIEGN-GGPGTIKKISFP-EGL
                                                                                                                                                            HYPOTHETICAL:
ANTI-SENSE:
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                              MOLECULE TYPE:
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MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: BESTWICK, RICHARD K.
APPLICANT: Kellogg, Jill A.
TITLE OF INVENTION: RASPBERRY PITITLE OF INVENTION: TRANSGENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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CITY: Palo Alto
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                                                                                                              152 AA; 17092 MW; 123332 CN;
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Conservative
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                                                                                                                          predicted amino acid coding sequence of drul
                                                                  Score 101; DB 1; Le
Pred. No. 2.48e+00;
44; Mismatches 62;
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133 VKASKEMGETLLRAVESYLLA 153
                                                   432 LRSQHLQDNPILLSMQVMFLS 452
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                                     77 THEKYNYS--VIEGGPIGDTLEKISHEIKIVATPDGGSILKISHKY-HTKGDHEVK-AEQ 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/08586272
                                                                                                                                                                                          TELEFAX: 703-413-2220 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08586272 Patent No. 5824795 GENERAL INFORMATION:
                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: FR 950
APPLICATION NUMBER: FR 950
FILING DATE: 16-TAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            123 KGDHEVKAEQVKASKEMGETLLRAVESYLL 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        63 PEKYVKDRVDEVDHTNEKINYSVIEGGPIGDTLEKISNEIKIVATPDGGSILKISNKYHT
                                                                                                                         MOLECULE TYPE: protein JENCE 553 AA; 63025 MW; 1501535 CN;
                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 66
TELECOMMUNICATION INFORMATION: 703-413-3000
                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 553 amino acid
                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,27:
FILING DATE: 16-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: POPOFF, MICHEL Y.
APPLICANT: LE GUERN FELLOUS,
TITLE OF INVENTION: SALMONEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: US
ZIP: 22202
                                                                                                                                                    TOPOLOGY:
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ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
                                                                                    Similarity
16; Conser
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                                                                                    Conservative
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19.8%;
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                                                                                            Score 94; DB 2; I
Pred. No. 8.19e+00;
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                                                                                  Mismatches
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Search completed: Thu Sep 7 15:54:30 2000 Job time : 8 secs.

